

Published by the

KONINKLIJKE NEDERLANDSE BOTANISCHE VERENIGING

(Royal Botanical Society of the Netherlands)

Volume 24

## Dates of publication:

part 1 (pp. 1– 87), issued April 11, 1975 part 2 (pp. 89–256), issued September 17, 1975 part 3-4 (pp. 257–360), issued December 24, 1975 part 5-6 (pp. 361–496), issued May 10, 1976

Indexed in Current Contents (Agricultural, Food & Veterinary Sciences)
ABNRAN 24 1–496 (1975) ISSN 0044–5983

## CONTENTS

CL. Andre and A. Vercruysse, Simultaneous determination of α- and β-carotene	225
L. Anker, Auxin-synthesis inhibition by abscisic acid, and its reversal by gibberellic acid	
G. BLAAUW-JANSEN and O. H. BLAAUW, A shift of the response threshold to	100
red irradiation in dormant lettuce seeds	199
J. Bor and R. N. Kapil, Euphorbia geniculata – ovule to seed	257
A. C. Borstlap, Metabolic fate of exogenously supplied branched-chain	203
amino acids in Spirodela polyrhiza	229
G. M. M. Bredemeijer and J. Blaas, A possible role of a stylar peroxidase	447
gradient in the rejection of incompatible growing pollen tubes	37
J. M. CRAMER, A. D. J. MEEUSE and P. A. TEUNISSEN, A note on the polli-	
nation of nocturnally flowering species of Nymphaea (Brief Communica-	
tion)	489
A. M. CORTEL-BREEMAN, The life history of Acrosymphyton purpuriferum	
(J. Ag.) Sjöst. (Rhodophyceae, Cryptonemiales). Isolation of tetrasporo-	
phytes. With some remarks on the tetrasporophyte of Bonnemaisonia	
asparagoides (Woodw.) C. Ag. (Nemalionales)	111
F. J. A. DANIËLS and H. J. SIPMAN, Cladonia cenotea (Ach.) Schaer. also	Thursday, and the same of the
found in Southeast Greenland (Brief Communication)	481
J. VAN DIE and P. C. M. WILLEMSE, Mineral and organic nutrients in sieve	
tube exudate and xylem vessel sap of Quercus rubra L. (Brief Communi-	227
cation)	237
H. VAN DOORN-HOEKMAN, Primitiae Africanae. X. Rhinopteryx Niedenzu	69
and Acridocarpus (G. Don) Guill. et Perr. (Malpighiaceae), united MA. DUBUC-LEBREUX et J. VIETH, Boutures de phyllomorphes de	
Streptocarpus wendlandii Sprenger	305
J. H. VAN EMDEN, Three new fungi from Surinam soil	193
J. H. VAN EMDEN, Three new rungi from Surman son	

A. H. J. Freisen and A. van Dijk, Differences in growth rate and salt tolerance between varieties of the halophyte Centaurium littorale (Turner) Gilmour, and their ecological significance	7
H. W. GROENEVELD, Magnesium and potassium contents of latices of a number of Hoya and Euphorbia species (Brief Communication)	485
A. L. Hodgdon and A. Hecht, Effect of heat treatment on the respiration rates of stigmas of self-incompatible and self-compatible Oenotheras. P. Hogeweg and J. Koek-Noorman, Wood anatomical classification using iterative character weighing.	<ul><li>207</li><li>269</li></ul>
J. H. IETSWAART, A new species of Origanum (Labiatae) from Libya	285
P. Kooiman, The occurrence of iridoid glycosides in the Verbenaceae G. H. Kroon, Polyploidy in Cotoneaster II	459 417
tion)	491
A. J. M. LEEUWENBERG, The Loganiaceae of Africa XIII. Buddleja L. I J. LION, Red light enhances the growth of Avena coleoptiles J. M. LOCK and J. C. PROFITA, Pollination of Eulophia cristata (Sw.) Steud. (Orchidaceae) in Southern Ghana	83 349 135
P. J. M. Maas, Notes on New World Zingiberaceae	469
(Brief Communication)	241
A. D. J. Meeuse, Floral evolution in the Hamamelididae. I. General assessment of the probable phylogeny and taxonomic position of the group.	155
<ul><li>A. D. J. Meeuse, Floral evolution in the Hamamelididae. II. Interpretative floral morphology of the Amentiferae</li></ul>	165
dales and associated groups including Urticales, and final conclusions.	181

<ul> <li>A. D. J. Meeuse, Interpretative floral morphology of the Cyperaceae on the basis of the anthoid concept.</li> <li>A. D. J. Meeuse, Aspects of the evolution of the Monocotyledons.</li> <li>A. D. J. Meeuse, Taxonomic relationships of Salicaceae and Flacourtiaceae: Their bearing on interpretative floral morphology and Dilleniid phylogeny.</li> </ul>	421
G. J. NIEMANN, Phenolics from Larix needles. X. Flavonoids of L. gmelinii	66
F. H. L. VAN Os and H. HENDRIKS, Investigation of a population of Mentha × niliaca Juss. ex Jacq. found in natural conditions at Oudemolen (Dr.)	129
band of chlorophyll b in Ulva lactuca	49
P. J. G. Polderman, The algal communities of the northeastern part of the saltmarsh "de Mok" on Texel (the Netherlands)	361
J. ROZEMA, An eco-physiological investigation into the salt tolerance of Glaux maritima L	
J. Simons, Periodicity and distribution of brackish Vaucheria species from nontidal coastal areas in the S. W. Netherlands J. L. van Soest, Quelques espèces nouvelles de Taraxacum, de France J. L. van Soest, Taraxacum vagum, a new species from Iran W. T. Stam and H. C. Holleman, The influence of different salinities on growth and morphological variability of a number of Phormidium	89 139 289
strains (Cyanophyceae) in culture	
Bréb. (Chlorophyceae)	391
A. A. Sterk, Demografic studies of Anthyllis vulneraria L. in the Netherlands. 1. Fluctuations and survivorship in natural populations	
H. VEEN, Non-polar translocation of abscisic acid in petiole segments of Coleus	55

B. J. H. TER WELLE, Spiral thickenings in the axial parenchyma of Chryso-
balanaceae
staminal hairs from Tradescantia as a background for translocation
studies
nutrient elements from the phloem to the parasite (Cuscuta species):  Metabolically controlled K <sup>+</sup> and Mg <sup>+</sup> + release to the free space 211
MEETINGS OF THE ROYAL BOTANICAL SOCIETY OF THE NETHERLANDS . 243, 355
BOOK REVIEWS
Summaries of Doctor's theses



